

2016-17 Maryland Statewide Wheat Variety Trial Factsheet Yield and Test Weight By Location

Brand	Entry	Yield % Mean	Statewide		Keedysville		Thurmont		Clarksville		Wye	
			Yield [†] bu/A	Test Wt [†] lbs/bu	Yield	Test Wt	Yield	Test Wt	Yield	Test Wt	Yield	Test Wt
Mid-Atlantic Seeds	MAS#316	110.4	82.4	58.2	89.3 *	59.8	93.8 *	57.6	71.7 *	59.0	74.9 *	56.2
Mid-Atlantic Seeds	MAS#61	107.1	80.0	57.4	91.4 *	56.9	87.0	57.4	72.7 *	58.6	68.8	56.8
Dupont Pioneer	25R40	106.4	79.5	57.6	83.0	59.0	88.4 *	57.6	72.3 *	58.7	74.2	55.2
Dyna-Gro	9701	105.5	78.8	57.6	80.1	55.3	89.6 *	58.0	68.7	59.2	77.0 *	58.0
UniSouth Genetics	USG 3316	105.3	78.7	57.8	84.4	57.8	82.5	57.4	70.3	59.5	77.5 *	56.4
Armor Seed, LLC	Mayhem	105.3	78.6	57.9	84.6	58.7	90.4 *	57.0	65.4	59.2	74.2	56.9
Dyna-Gro	9772	105.2	78.6	57.0	79.5	55.1	87.0	58.2	68.0	58.6	79.9 *	56.2
CROPLAN	SRW9606	105.1	78.5	57.7	81.4	57.9	87.3	58.7	69.0	58.4	76.1 *	55.8
UniSouth Genetics	USG 3536	104.9	78.4	58.2	81.6	58.5	79.5	57.3	75.8 *	60.0	76.6 *	56.9
CROPLAN	SRW9415	104.9	78.4	58.0	85.6	59.5	83.0	58.0	69.2	58.1	75.6 *	56.5
Syngenta	SY 100	104.8	78.3	56.9	83.1	55.4	84.1	58.7	72.2 *	57.6	73.8	55.9
Mid-Atlantic Seeds	MAS#716	104.6	78.1	56.6	86.5	55.2	82.9	58.2	70.2	58.4	72.9	54.6
UniSouth Genetics	USG 3197	103.6	77.4	57.7	80.1	56.0	88.5 *	59.9	69.7	58.9	71.3	56.0
Mid-Atlantic Seeds	MAS#65	103.5	77.3	57.1	81.9	57.0	83.4	57.2	67.3	57.9	76.6 *	56.5
CROPLAN	SS8415	103.5	77.3	58.4	82.9	59.1	85.5	59.6	70.6 *	58.8	70.3	56.1
UniSouth Genetics	USG 3201	103.4	77.2	59.6	76.5	60.2	88.6 *	58.6	70.2	60.7	73.6	58.9
Eddie Mercer Agriservices	MBX 16-B-203	102.5	76.5	57.5	86.2	58.0	79.8	56.6	72.1 *	59.2	68.0	56.0
Growmark FS	FSX 872	102.4	76.5	57.3	84.3	56.4	85.9	59.4	62.4	58.4	73.5	54.8
Limagrain Cereal Seeds	L11550	102.2	76.3	59.1	84.4	59.3	84.3	58.9	62.6	61.0	74.0	57.2
Dyna-Gro	WX16722	102.1	76.3	57.7	87.5 *	57.0	81.1	58.0	68.4	59.3	68.0	56.6
Virginia Tech University	VA13W-38	102.0	76.2	59.3	79.5	59.4	80.7	60.1	71.7 *	59.0	72.8	58.7
UniSouth Genetics	USG 3458	101.8	76.1	57.1	81.4	56.9	85.5	58.2	68.2	57.6	69.1	55.7
Mid-Atlantic Seeds	MAS#42	101.7	76.0	57.9	78.8	58.0	84.3	57.5	70.8 *	58.9	70.1	57.3
Eddie Mercer Agriservices	MBX 17-M-245	101.7	76.0	56.7	86.2	55.0	76.7	60.1	71.1 *	57.8	69.9	54.0
Mid-Atlantic Seeds	MAS#7	101.6	75.9	57.6	86.2	57.5	83.7	57.6	61.2	59.0	72.4	56.1
Dyna-Gro	WX17782	101.5	75.8	59.1	82.7	59.7	80.0	60.0	60.4	58.1	80.2 *	58.8
Growmark FS	FSX 871	101.4	75.8	57.4	71.9	57.2	85.1	58.4	72.8 *	58.1	73.3	56.0
Mid-Atlantic Seeds	MAS#116	101.0	75.4	58.6	82.8	58.1	83.7	57.1	61.4	60.7	73.8	58.4
Virginia Tech University	HILLARD	100.9	75.4	59.3	76.6	58.7	81.3	61.3	72.3 *	59.8	71.3	57.5
UniSouth Genetics	USG 3895	100.9	75.4	57.2	83.9	57.0	82.6	58.4	63.8	58.4	71.1	55.1
Limagrain Cereal Seeds	LCS3204	100.8	75.3	60.2	78.0	61.7	82.7	59.8	68.9	59.7	71.7	59.5
Mid-Atlantic Seeds	MAS#35	100.8	75.3	57.4	81.4	56.7	83.3	59.9	67.9	57.5	68.6	55.4
University of Maryland	15MDX18	100.7	75.2	58.6	76.8	59.6	85.8	58.8	70.5 *	59.4	67.8	56.6
Armor Seed, LLC	ARW1610	100.3	75.0	58.1	74.5	57.1	85.7	58.3	67.8	59.4	71.8	57.7
UniSouth Genetics	USG 3228	100.3	74.9	57.2	78.1	58.0	85.0	58.1	63.5	58.4	73.3	54.3
Armor Seed, LLC	ARW1514	100.3	74.9	57.6	83.7	57.0	84.7	58.7	62.8	59.4	68.5	55.4
Syngenta	SY VIPER	100.0	74.7	59.0	79.4	60.1	84.9	58.5	63.1	59.9	71.2	57.4
UniSouth Genetics	USG 3549	99.6	74.4	58.6	80.0	59.5	81.7	58.1	72.4 *	58.6	63.5	58.2
Dupont Pioneer	25R25	99.5	74.4	57.8	82.6	57.1	72.8	59.7	64.4	58.5	77.6 *	56.0
Dyna-Gro	SHIRLEY	99.5	74.3	56.7	79.4	55.9	80.9	56.8	73.0 *	59.5	64.0	54.8
Eddie Mercer Agriservices	MBX 14-S-210	99.4	74.3	57.8	79.6	58.9	80.9	57.7	67.7	58.4	68.8	56.1
Syngenta	SY 547	99.2	74.1	58.2	73.6	58.2	85.4	59.3	73.6 *	59.4	63.9	55.7
Dyna-Gro	9750	98.9	73.9	57.7	75.6	57.7	80.7	59.0	68.6	59.4	70.6	54.8
Syngenta	SY 007	98.3	73.4	58.4	76.3	58.8	87.0	58.8	66.7	58.9	63.8	57.0
Eddie Mercer Agriservices	MBX 17-P-275	98.0	73.2	57.3	73.8	57.2	85.6	58.0	63.7	58.5	69.6	55.7
Growmark FS	FS 860	97.7	73.0	57.4	80.3	55.7	83.3	58.7	59.2	59.7	69.2	55.7
Virginia Tech University	VA12W-72	97.6	72.9	57.8	78.9	56.8	77.3	58.8	67.5	59.3	67.9	56.5
Virginia Tech University	VA12W-68	97.5	72.9	58.2	74.0	57.5	86.2	58.7	68.7	59.3	62.4	57.4
UniSouth Genetics	USG 3404	97.5	72.8	57.8	82.9	57.2	80.6	58.3	60.7	58.6	67.0	57.0
Syngenta	OAKES	96.7	72.3	59.2	77.2	59.0	83.2	59.7	63.4	58.6	65.3	59.5
Armor Seed, LLC	ARW1611	96.7	72.2	58.3	77.6	57.9	81.0	57.7	65.6	57.9	64.5	59.6
Mid-Atlantic Seeds	MAS#67	96.5	72.1	57.0	72.3	57.2	75.3	55.7	70.4	60.2	70.3	54.9
Mid-Atlantic Seeds	MAS#6	96.4	72.0	56.3	73.4	54.0	83.1	58.6	61.8	58.2	69.8	54.5
Mid-Atlantic Seeds	MAS 69	96.0	71.7	59.4	70.5	60.2	81.8	58.6	70.6 *	60.4	64.0	58.3
University of Maryland	15MW133	95.8	71.6	58.5	74.5	57.8	79.4	57.8	71.1 *	59.7	61.3	58.5
Armor Seed, LLC	ARW1575	95.7	71.5	58.5	72.6	58.1	92.1 *	58.3	62.2	60.1	59.0	57.6
University of Maryland	15MDX17	95.5	71.3	58.7	71.4	57.6	87.8 *	59.4	64.0	59.8	62.0	57.8
Limagrain Cereal Seeds	LCS4601	95.1	71.0	59.0	73.3	59.0	82.1	59.7	62.1	57.7	66.5	59.6
University of Maryland	15MDX4	95.0	71.0	59.0	75.5	60.0	79.2	60.4	68.6	58.5	60.5	57.2
University of Maryland	15MDX5	95.0	70.9	59.5	73.4	61.9	87.7 *	57.3	68.1	60.0	54.6	58.6
Virginia Tech University	VA11W-279	94.9	70.9	58.8	75.2	57.8	81.0	58.4	66.8	59.6	60.5	59.2
Mid-Atlantic Seeds	MAS#816	94.8	70.8	59.6	74.0	59.3	83.9	58.6	69.5	60.5	55.8	60.0
University of Maryland	15MDX11	93.0	69.5	58.9	76.3	58.7	79.8	58.9	65.5	60.7	56.4	57.4
Virginia Tech University	VA11W-108 PA	92.8	69.3	58.2	67.9	58.0	78.3	59.1	63.7	58.3	67.4	57.5
University of Maryland	15MDX2	92.7	69.3	59.9	70.9	61.0	85.0	59.3	64.0	60.8	57.2	58.7
University of Maryland	15MDX6	91.4	68.3	59.6	69.4	59.8	84.7	59.9	62.3	60.2	56.7	58.4
University of Maryland	15MDX1	91.3	68.2	58.6	69.7	57.6	85.4	58.8	59.3	58.7	58.2	59.1
	Mean		74.7		78.9	58.0	83.6	58.5	67.4	59.1	68.8	56.9
	CV				8.3	3.1	7.2	2.8	8.9	2.4	10.7	3.075
	LSD _{.05} =				4.6	1.1	6.1	1.8	5.3	1.4	5.7	1.2

[†] All yields and test weights are reported at a 13.5% grain moisture content.

^{*} Values followed by * are not significantly different from the leading entry.

2016-17 State Yield and Agronomic Characteristics

Brand	Entry	Yield % Mean	Statewide		Date Headed Julian	Height In	Lodging (0-5)	Powdery Mildew (0-9)
			Yield† bu/A	Test Wt† lbs/bu				
Mid-Atlantic Seeds	MAS#316	110.4	82.4	58.2	116	37	1	1
Mid-Atlantic Seeds	MAS#61	107.1	80.0	57.4	117	35	2	4
Dupont Pioneer	25R40	106.4	79.5	57.6	120	33	1	1
Dyna-Gro	9701	105.5	78.8	57.6	119	38	1	1
UniSouth Genetics	USG 3316	105.3	78.7	57.8	119	36	1	6
Armor Seed, LLC	Mayhem	105.3	78.6	57.9	119	37	1	1
Dyna-Gro	9772	105.2	78.6	57.0	119	38	2	6
CROPLAN	SRW9606	105.1	78.5	57.7	119	37	1	2
UniSouth Genetics	USG 3536	104.9	78.4	58.2	119	38	1	2
CROPLAN	SRW9415	104.9	78.4	58.0	119	35	1	6
Syngenta	SY 100	104.8	78.3	56.9	116	36	2	1
Mid-Atlantic Seeds	MAS#716	104.6	78.1	56.6	118	38	1	3
UniSouth Genetics	USG 3197	103.6	77.4	57.7	118	37	1	3
Mid-Atlantic Seeds	MAS#65	103.5	77.3	57.1	119	35	1	1
CROPLAN	SS8415	103.5	77.3	58.4	118	37	1	1
UniSouth Genetics	USG 3201	103.4	77.2	59.6	119	36	1	3
Eddie Mercer Agriservices	MBX 16-B-203	102.5	76.5	57.5	119	36	1	3
Growmark FS	FSX 872	102.4	76.5	57.3	117	35	1	2
Limagrain Cereal Seeds	L11550	102.2	76.3	59.1	120	35	1	2
Dyna-Gro	WX16722	102.1	76.3	57.7	118	34	2	2
Virginia Tech University	VA13W-38	102.0	76.2	59.3	117	35	1	1
UniSouth Genetics	USG 3458	101.8	76.1	57.1	118	34	1	3
Mid-Atlantic Seeds	MAS#42	101.7	76.0	57.9	120	38	1	4
Eddie Mercer Agriservices	MBX 17-M-245	101.7	76.0	56.7	117	34	1	1
Mid-Atlantic Seeds	MAS#7	101.6	75.9	57.6	119	36	1	4
Dyna-Gro	WX17782	101.5	75.8	59.1	119	36	1	1
Growmark FS	FSX 871	101.4	75.8	57.4	117	36	2	2
Mid-Atlantic Seeds	MAS#116	101.0	75.4	58.6	120	36	1	2
Virginia Tech University	HILLARD	100.9	75.4	59.3	117	37	1	1
UniSouth Genetics	USG 3895	100.9	75.4	57.2	119	34	1	2
Limagrain Cereal Seeds	LCS3204	100.8	75.3	60.2	118	40	1	1
Mid-Atlantic Seeds	MAS#35	100.8	75.3	57.4	120	34	1	1
University of Maryland	15MDX18	100.7	75.2	58.6	120	32	1	1
Armor Seed, LLC	ARW1610	100.3	75.0	58.1	119	35	1	1
UniSouth Genetics	USG 3228	100.3	74.9	57.2	117	33	1	2
Armor Seed, LLC	ARW1514	100.3	74.9	57.6	118	35	1	1
Syngenta	SY VIPER	100.0	74.7	59.0	117	37	1	2
UniSouth Genetics	USG 3549	99.6	74.4	58.6	119	39	2	5
Dupont Pioneer	25R25	99.5	74.4	57.8	120	36	1	2
Dyna-Gro	SHIRLEY	99.5	74.3	56.7	118	33	1	1
Eddie Mercer Agriservices	MBX 14-S-210	99.4	74.3	57.8	119	37	1	2
Syngenta	SY 547	99.2	74.1	58.2	120	34	1	1
Dyna-Gro	9750	98.9	73.9	57.7	117	33	1	3
Syngenta	SY 007	98.3	73.4	58.4	118	36	1	0
Eddie Mercer Agriservices	MBX 17-P-275	98.0	73.2	57.3	118	36	1	3
Growmark FS	FS 860	97.7	73.0	57.4	119	36	2	3
Virginia Tech University	VA12W-72	97.6	72.9	57.8	117	36	1	1
Virginia Tech University	VA12W-68	97.5	72.9	58.2	117	35	1	0
UniSouth Genetics	USG 3404	97.5	72.8	57.8	120	36	1	4
Syngenta	OAKES	96.7	72.3	59.2	119	38	1	4
Armor Seed, LLC	ARW1611	96.7	72.2	58.3	120	35	1	1
Mid-Atlantic Seeds	MAS#67	96.5	72.1	57.0	117	34	1	1
Mid-Atlantic Seeds	MAS#6	96.4	72.0	56.3	117	34	2	3
Mid-Atlantic Seeds	MAS 69	96.0	71.7	59.4	118	33	1	2
University of Maryland	15MW133	95.8	71.6	58.5	120	34	1	1
Armor Seed, LLC	ARW1575	95.7	71.5	58.5	118	36	1	7
University of Maryland	15MDX17	95.5	71.3	58.7	118	33	1	1
Limagrain Cereal Seeds	LCS4601	95.1	71.0	59.0	119	40	2	6
University of Maryland	15MDX4	95.0	71.0	59.0	119	32	1	2
University of Maryland	15MDX5	95.0	70.9	59.5	118	36	2	2
Virginia Tech University	VA11W-279	94.9	70.9	58.8	116	33	1	1
Mid-Atlantic Seeds	MAS#816	94.8	70.8	59.6	120	38	1	3
University of Maryland	15MDX11	93.0	69.5	58.9	118	36	1	0
Virginia Tech University	VA11W-108 PA	92.8	69.3	58.2	118	37	1	1
University of Maryland	15MDX2	92.7	69.3	59.9	118	37	1	3
University of Maryland	15MDX6	91.4	68.3	59.6	116	36	1	1
University of Maryland	15MDX1	91.3	68.2	58.6	120	38	2	1

Two & Three Year Yield Average: Total Percent Yield

Brand	Entry	3-Year Yield % Avg.	2-Year Yield % Avg.	2014-15 Yield % Mean	2015-16 Yield % Mean	2016-17 Yield % Mean
UniSouth Genetics	USG 3895	107.3	104.5	113.0	108.1	100.9
CROPLAN	SS 8415	104.2	105.1	102.5	106.7	103.5
Virginia Tech University	Hilliard	103.9	102.8	106.0	104.8	100.9
UniSouth Genetics	USG 3201	102.6	103.9	100.1	104.4	103.4
Growmark FS	FS 860	101.7	100.7	103.8	103.7	97.7
Syngenta	SY 547	101.4	99.4	105.2	99.7	99.2
Dyna-Gro	DG SHIRLEY	101.4	100.8	102.5	102.1	99.5
UniSouth Genetics	USG 3404	100.3	98.7	103.5	99.9	97.5
Eddie Mercer Agriservices	MBX 14-S-210	99.1	98.6	100.2	97.9	99.4
Mid-Atlantic Seeds	MAS#7	98.6	99.7	96.3	97.8	101.6
Mid-Atlantic Seeds	MAS#6	96.5	94.8	100.1	93.1	96.4
Syngenta	SY 007	95.7	99.9	87.3	101.6	98.3
University of Maryland	15MW133	95.4	98.2	89.7	100.6	95.8
Growmark FS	FSX 871		99.9		98.4	101.4
Growmark FS	FSX 872		105.5		108.6	102.4
Mid-Atlantic Seeds	MAS#67		99.3		102.2	96.5
Eddie Mercer Agriservices	MBX 16-B-203		99.4		96.4	102.5
Dupont Pioneer	P 25R25		103.8		108.1	99.5
Dupont Pioneer	P 25R40		105.1		103.8	106.4
Syngenta	SY VIPER		101.6		103.3	100.0
UniSouth Genetics	USG 3197		103.4		103.3	103.6
UniSouth Genetics	USG 3316		100.5		95.6	105.3



Maryland Grain Producers Utilization Board



More information can be found online at:

[https://www.psla.umd.edu/extension/extension-project-pages/small-grains-](https://www.psla.umd.edu/extension/extension-project-pages/small-grains-Produced%20by%3A)

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